

DECLARATION AND POWER OF ATTORNEY HF3

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TRANSGENIC FIBRINOGEN**

the specification of which (check one)

is attached hereto  
 was filed on May 17, 1995 as Application Serial No. 08/443,184 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**PRIOR FOREIGN APPLICATION(S)**

NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	PRIORITY CLAIMED

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS: PATENTED, PENDING, ABANDONED
<u>08/198,068</u>	<u>February 18, 1994</u>	<u>Pending</u>

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal, Reg. No. 26,257; John J. Feldhaus, Reg. No. 28,822; Donald D. Jeffery, Reg. No. 19,980; Eugene M. Lee, Reg. No. 32,039; Peter G. Mack, Reg. No. 26,001; Brian J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749; George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg. No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Richard L. Schwaab, Reg. No. 25,479; Arthur Schwartz, Reg. No. 22,115; Harold C. Wegner, Reg. No. 25,258.

Send all correspondence to **FOLEY & LARDNER**, 3000 K Street, N.W., Suite 500, P.O. Box 25696, Washington, D.C. 20007-8696. Address telephone communications to Stephen A. Bent at (202) 672-5300.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor <b>William H. VELANDER</b>	Signature of First or Sole Inventor	Date
Residence Address <b>Blacksburg, Virginia</b>	Country of Citizenship <b>U.S.A.</b>	
Post Office Address <b>3014 Lancaster Drive, Blacksburg, Virginia 24060</b>		

Signatures should conform to names as typewritten.  Additional inventors on attached Page 2.

# DECLARATION AND POWER OF ATTORNEY

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the specification of which (check one)

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Full Name of First or Sole Inventor <b>William H. VELANDER</b>	Signature of First or Sole Inventor	Date
Residence Address <b>Blacksburg, Virginia</b>	Country of Citizenship <b>U.S.A.</b>	
Post Office Address <b>3014 Lancaster Drive, Blacksburg, Virginia 24060</b>		

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Full Name of First or Sole Inventor <u>William H. VELANDER</u>	1-20 	Signature of First or Sole Inventor 	Date <u>7-14-95</u>
Residence Address <u>Blacksburg, Virginia</u>	<u>VA</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>3014 Lancaster Drive, Blacksburg, Virginia 24060</u>			

Signatures should conform to names as typewritten.  Additional inventors on attached Page 2.

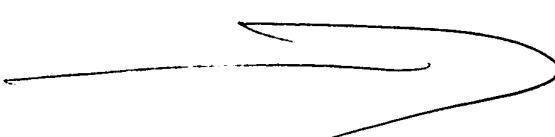
Full Name of Second Inventor <u>Susan T. LORD</u>	200	Signature of Second Inventor <i>Susan T. Lord</i>	Date 6/20/95
Residence Address <u>Chapel Hill, North Carolina</u>	NC	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>108 Northwood Drive, Chapel Hill, North Carolina 27516</u>			
<u>2013 Damasus Church Rd</u>			

Full Name of Third Inventor <u>William N. DROHAN</u>	Signature of Third Inventor	Date
Residence Address <u>Springfield, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>8417 Oakford Drive, Springfield, Virginia 22152</u>		

Full Name of Fourth Inventor <u>Henryk LUBON</u>	Signature of Fourth Inventor	Date
Residence Address <u>Rockville, Maryland</u>	Country of Citizenship <u>Poland</u>	
Post Office Address <u>7416 Monona Terrace, Rockville, Maryland 20855</u>		

Full Name of Fifth Inventor <u>John L. JOHNSON</u>	Signature of Fifth Inventor	Date
Residence Address <u>Blacksburg, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>805 Crestwood Drive, S.E., Blacksburg, Virginia 24060</u>		

Full Name of Sixth Inventor <u>Christopher G. RUSSELL</u>	Signature of Six Inventor	Date
Residence Address <u>Blacksburg, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>403 Cohee Road, Blacksburg, Virginia 24060</u>		



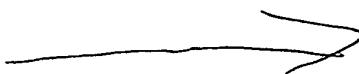
Full Name of Second Inventor <u>Susan T. LORD</u>	Signature of Second Inventor	Date
Residence Address <u>Chapel Hill, North Carolina</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>108 Northwood Drive, Chapel Hill, North Carolina</u>		

Full Name of Third Inventor <u>William N. DROHAN</u>	Signature of Third Inventor <i>William N. Dolan</i>	Date <i>June 15 1985</i>
Residence Address <u>Springfield, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>8417 Oakford Drive, Springfield, Virginia 22152</u>		

Full Name of Fourth Inventor <u>Henryk LUBON</u>	Signature of Fourth Inventor <i>Henryk Lubon</i>	Date <i>June 15 1985</i>
Residence Address <u>Rockville, Maryland</u>	Country of Citizenship <u>Poland</u>	
Post Office Address <u>7416 Monona Terrace, Rockville, Maryland 20855</u>		

Full Name of Fifth Inventor <u>John L. JOHNSON</u>	Signature of Fifth Inventor	Date
Residence Address <u>Blacksburg, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>805 Crestwood Drive, S.E., Blacksburg, Virginia 24060</u>		

Full Name of Sixth Inventor <u>Christopher G. RUSSELL</u>	Signature of Six Inventor	Date
Residence Address <u>Blacksburg, Virginia</u>	Country of Citizenship <u>U.S.A.</u>	
Post Office Address <u>403 Cohee Road, Blacksburg, Virginia 24060</u>		



#3

Full Name of Second Inventor <i>Susan T. LORD</i>	Signature of Second Inventor	Date
Residence Address <i>Chapel Hill, North Carolina</i>	Country of Citizenship <i>U.S.A.</i>	
Post Office Address <i>108 Northwood Drive, Chapel Hill, North Carolina</i>		

Full Name of Third Inventor <i>William N. DROHAN</i>	Signature of Third Inventor	Date
Residence Address <i>Springfield, Virginia</i>	Country of Citizenship <i>U.S.A.</i>	
Post Office Address <i>8417 Oakford Drive, Springfield, Virginia 22152</i>		

Full Name of Fourth Inventor <i>Henryk LUBON</i>	Signature of Fourth Inventor	Date
Residence Address <i>Rockville, Maryland</i>	Country of Citizenship <i>Poland</i>	
Post Office Address <i>7416 Monona Terrace, Rockville, Maryland 20855</i>		

Full Name of Fifth Inventor <i>John L. JOHNSON</i>	Signature of Fifth Inventor <i>J.L. Johnson</i>	Date <i>7/17/95</i>
Residence Address <i>Blacksburg, Virginia</i>	Country of Citizenship <i>U.S.A.</i>	
Post Office Address <i>805 Crestwood Drive, S.E., Blacksburg, Virginia 24060</i>		

Full Name of Sixth Inventor <i>Christopher G. RUSSELL</i>	Signature of Six Inventor <i>Christopher G. Russell</i>	Date <i>6/23/95</i>
Residence Address <i>Blacksburg, Virginia</i>	Country of Citizenship <i>U.S.A.</i>	
Post Office Address <i>403 Cohee Road, Blacksburg, Virginia 24060</i>	Route 2 Box 293, Hartselle, AL 35640	<i>CGR</i>

Applicant or Patentee: University of North Carolina

Serial or Patent No.: \_\_\_\_\_ Atty. Dkt. No. 30523/125/ANRC

Filed or Issued: May 17, 1995

For: TRANSGENIC FIBRINOGEN

#3

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) AND 1.27 (c)) — NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: University of North Carolina at Chapel Hill

ADDRESS OF ORGANIZATION: Campus Box 4100, Bynum Hall, Chapel Hill, NC 27599-4100

TYPE OF ORGANIZATION:

(xx) UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION

( ) TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))

( ) NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA

(NAME OF STATE \_\_\_\_\_)

(CITATION OF STATUTE \_\_\_\_\_)

( ) WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA

( ) WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

(NAME OF STATE \_\_\_\_\_)

(CITATION OF STATUTE \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) or (b) of Title 35, United States Code with regard to the invention entitled TRANSGENIC FIBRINOGEN

by inventor(s) William H. Velander *et al.* described in

( ) the specification filed herewith

(xx) application Serial No. 08/443,184

Filed, May 17, 1995

( ) patent no. \_\_\_\_\_, issued \_\_\_\_\_

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: Virginia Tech Intellectual Properties, Inc.

ADDRESS: 1900 Kraft Drive, Suite 107, Blacksburg, VA 24060

( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

NAME: Virginia Polytechnic Institute and State University

ADDRESS: Suite 301, Burris, Blacksburg, VA 24061

( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

NAME: American National Red Cross

ADDRESS: 1730 E Street, N.W., Washington, D.C. 20006

( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: **Francis J. Meyer, Ph.D.**

TITLE OF PERSON OTHER THAN OWNER: **Associate Vice Chancellor, Technology Development**

ADDRESS OF PERSON SIGNING: **Office of Technology Development, CB #4100, 302 Bynum Hall**

**Chapel Hill, NC 27599-4100**

SIGNATURE: Francis J. Meyer

DATE: 6/28/85

Applicant or Patentee: American National Red Cross

Serial or Patent No.: \_\_\_\_\_ Atty. Dkt. No. 30523/125/ANRC

Filed or Issued: May 17, 1995

For: **TRANSGENIC FIBRINOGEN**



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NAME OF ORGANIZATION: American National Red Cross

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William H. Velander et al. described in

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NAME: Virginia Polytechnic Institute and State University

ADDRESS: Suite 301, Burris, Blacksburg, VA 24061

( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

NAME: University of North Carolina, Office of Research Services

ADDRESS: Campus Box 4100, Chapel Hill, North Carolina 27599

( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

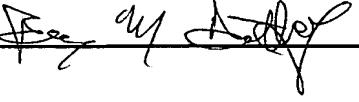
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NAME OF PERSON SIGNING: Barry M. Datlof

TITLE OF PERSON OTHER THAN OWNER: Director, Patents and Licensing

ADDRESS OF PERSON SIGNING: 11560 Crabbs Branch Way, Rockville, Maryland 20855

SIGNATURE: 

DATE: 15 June 95

AF3

Applicant or Patentee: Virginia Tech Intellectual Properties, Inc.  
Serial or Patent No.: Atty. Dkt. No. 30523/125/ANRC  
Filed or Issued: May 17, 1995  
For: TRANSGENIC FIBRINOGEN



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ADDRESS: 1730 E Street, N W, Washington, D.C. 20006  
( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

NAME: Virginia Polytechnic Institute and State University  
ADDRESS: Suite 301, Burris, Blacksburg, VA 24061  
( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

NAME: University of North Carolina, Office of Research Services  
ADDRESS: Campus Box 4100, Chapel Hill, North Carolina 27599  
( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN (xx) NONPROFIT CORPORATION

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Theodore Kohn

TITLE OF PERSON OTHER THAN OWNER: Director

ADDRESS OF PERSON SIGNING: 1900 Kraft Drive, Suite 107, Blacksburg, Virginia 24060

SIGNATURE: 

DATE: 7/20/95

AF3

Applicant or Patentee: Virginia Polytechnic Institute and State University  
Serial or Patent No.: \_\_\_\_\_ Atty. Dkt. No. 30523/125/ANRC  
Filed or Issued: May 17, 1995  
For: TRANSGENIC FIBRINOGEN



**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) AND 1.27 (c)) — NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: Virginia Polytechnic Institute and State University

ADDRESS OF ORGANIZATION: 301 Burriss Hall, Blacksburg, Virginia 24061

TYPE OF ORGANIZATION:

UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  
 TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))

NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA

(NAME OF STATE \_\_\_\_\_)

(CITATION OF STATUTE \_\_\_\_\_)

WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA

WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

(NAME OF STATE \_\_\_\_\_)

(CITATION OF STATUTE \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) or (b) of Title 35, United States Code with regard to the invention entitled TRANSGENIC FIBRINOGEN by inventor(s)

William H. Velander et al. described in

the specification filed herewith  
 application Serial No. 08/443,184 Filed, May 17, 1995  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: American National Red Cross

ADDRESS: 1730 F Street, N.W., Washington, D.C. 20006

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT CORPORATION

NAME: Virginia Tech Intellectual Properties, Inc.

ADDRESS: 1900 Kraft Drive, Suite 107, Blacksburg, Virginia 24060

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT CORPORATION

NAME: University of North Carolina, Office of Research Services

ADDRESS: Campus Box 4100, Chapel Hill, North Carolina 27599

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT CORPORATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Theodore Kohn

TITLE OF PERSON OTHER THAN OWNER: Manager, Intellectual Property

ADDRESS OF PERSON SIGNING: Suite 301, Burris, Blacksburg, VA 24061

SIGNATURE: 

DATE: 7/20/95